

ABSTRACT

The present invention provides a dynamoelectric stator and a method for the manufacture thereof enabling electrical insulation properties to be improved by forming slot-housed portions with a racetrack-shaped cross section to suppress damage to an electrically-insulating coating arising during mounting of a stator winding to a stator core.

The construction is such that the slot-housed portions of the stator winding are formed with the racetrack-shaped cross section, and are housed inside slots so as to line up in single columns in a radial direction with a longitudinal direction of the cross section of the slot-housed portions aligned in a circumferential direction.

Thus, because short sides of the slot-housed portions facing inner circumferential side surfaces of the slots form convex curved surfaces, the occurrence of damage to the electrically-insulating coating resulting from rubbing between the short sides of the slot-housed portions and the inner circumferential side surfaces of the slots during insertion of the slot-housed portions into the slots is suppressed, thereby improving electrical insulation properties.